(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 20 January 2005 (20.01.2005)

PCT

(10) International Publication Number WO 2005/005064 A1

(51) International Patent Classification7: B24C 1/00, 5/04

B08B 7/00,

(21) International Application Number:

PCT/DK2004/000500

(22) International Filing Date:

9 July 2004 (09.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2003 01048

10 July 2003 (10.07.2003)

(71) Applicant (for all designated States except US): AG TECH APS [DK/DK]; Niels Jernes Vej 10, DK-9220 Aalborg Ø (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): NIELSEN, Peter [DK/DK]; Blåmejsevej 2, DK-9600 Års (DK).

(74) Agent: PATRADE A/S; Fredens Torv 3A, DK-8000 Århus C (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

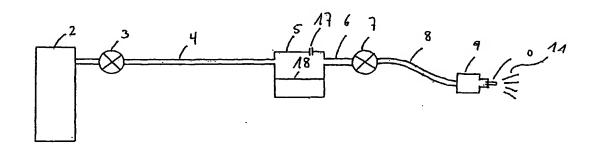
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: JET SPRAY TOOL



(57) Abstract: Jet spray tool for carbon dioxide snow comprising a jet nozzle connected to a carbon dioxide supply and comprising a precooling arrangement for precooling the jet nozzle before ejection of a jet of carbon dioxide snow from the nozzle. Preferably, the precooling arrangement comprises a intermediate chamber between the carbon dioxide supply and the nozzle and a valve between the intermediate chamber and the nozzle, where the intermediate chamber is located close to the nozzle and the intermediate chamber is configured to be filled with carbon dioxide for rapid supply of carbon dioxide gas to the nozzle upon opening of the valve.